

Classwork 3 - Trigonometry

$$1) \sin x = -\frac{\sqrt{3}}{2}$$

$$2) \sin\left(2x + \frac{\pi}{4}\right) = \frac{1}{2}$$

$$3) \sin x = -1$$

$$4) \sin x = -\frac{1}{2}$$

$$5) \sin x = \frac{\sqrt{2}}{2}$$

$$6) 2 \sin(3x) = \sqrt{3}$$

$$7) (1 - \sin x) \cdot (2 \sin x - \sqrt{3}) = 0$$

$$8) \sin\left(x + \frac{\pi}{3}\right) = -1$$

$$9) 2 \sin^2 x + \sin x - 1 = 0$$

$$10) \sin^2 x + 5 \cos^2 x = 4$$